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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Stan Gronthos et al.

Serial No. : 10/551,326

Filed : March 30, 2006

Title : PERIVASCULAR MESENCHYMAL PRECURSOR CELL INDUCED

BLOOD VESSEL FORMATION

1185 Avenue of the Americas New York, New York 10036

August 7, 2007

MAIL STOP AMENDMENT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

In accordance with the duty of disclosure under 37 C.F.R. §1.56, applicants direct the Examiner's attention to the following items, which are listed on the Substitute Form PTO-1449 attached hereto as Exhibit A. Item 1 is a related U.S. Patent Application Publication. No copy of this item is attached hereto as permitted by 37 C.F.R. §1.98(a)(2)(ii). Copies of the items 2-12 are attached hereto as Exhibits 1-11, respectively.

- U.S. Patent Application Publication No. 2007-0065938 Al, published March 22, 2007;
- PCT International Application No. WO 00/06701, published February 10, 2000; (Exhibit 1).

, Receipt date: 08/09/2007

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March 30, 2006 Filed:

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- з. PCT International Application No. WO 02/007679, published January 31, 2002; (Exhibit 2).
- 4. Shi S et al: "Perivascular niche of postnatal mesenchymal stem cells in human bone marrow and dental pulp." Journal Bone and Mineral Research, vol. 17, no. Suppl September 2002 (2002-09), page S446, XP009083412 & Twenty-Fourth Annual meeting of the American Society for Bone and Mineral Research; San Antonio, Texas, USA; September 20-24, 2002: (Exhibit 3)
- 5. Tse H F et al: "Angiogenesis in ischaemic myocardium by intramyocardial autologous bone marrow mononuclear cell implantation." Lancet The, Lancet Limited, London, GB, vol. 361, no. 9351, 4 January 2003 (2003-01-04), pages 47-49: (Exhibit 4)
- 6. Jones Elena A et al: "Isolation and characterization of bone marrow multipotential mesenchymal progenitor cells." Arthritis and Rheumatism Dec 2002, vol. 46, no. 12, December 2002 (2002-12); (Exhibit 5)
- Gronthos S et al: "Postnatal human dental pulp stem cells 7. (DPSCs) in vitro and in vivo." Proceedings of the National Academy of Sciences of USA, National Academy of Science, Washington, DC, US, vol. 97, no. 25, 5 December 2000 (2000-12-05), pages 13625-13630; (Exhibit 6)
- Shi S et al: "Comparison of human dental pulp and bone 8 marrow stromal stem cells by cDNA microarray analysis."

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Bone, Pergamon Press., Oxford, GB, vol. 29, no. 6, December 2001 (2001-12), pages 532-539; (Exhibit 7)

- 9. Gronthos Stan et al: "Molecular and cellular characterization of highly purified stromal stem cells derived from human bone marrow." Journal of Cell Science. vol. 116, no. 9, 1 May 2003 (2003-05-01), pages 1827-1835: (Exhibit 8)
- 10. Shi S et al: "Perivascular niche of postnatal mesenchymal stem cells in human bone marrow and dental pulp." Journal of Bone and Mineral Research, New York, NY, US, vol. 18. no. 4, April 2003 (2003-04), page 696-704; (Exhibit 9)
- 11. Supplementary European Search Report from European Patent Office, Application No. EP 04 72 3937, 25 May 2007: (Exhibit 10) and
- 12. Supplementary European Search Report from European Patent Office, Application No. EP 04 72 3935, 10 May 2007: (Exhibit 11)

Items 2 and 4-9 were cited in a Supplemental European Search Report in connection with corresponding European Application No. 04723937.1, a copy of which is attached hereto as Exhibit 10.

Items 3-4 and 6-10 were cited in a Supplemental European Search Report in connection with corresponding European Application No. 04723935.5, a copy of which is attached hereto as Exhibit 11.

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This Supplemental Information Disclosure Statement is being submitted pursuant to 37 C.F.R. §1.97(b)(3) and no fee is deemed necessary.

Applicants request that the Examiner review the references and make them of record in the subject application.

If a telephone interview would be of assistance in advancing prosecution of the subject application, applicants' undersigned attorneys invite the Examiner to telephone them at the number provided below.

No fee is deemed necessary in connection with the filing of this Supplemental Information Disclosure Statement. However, if any fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 03-3125.

Respectfully submitted,

hereby certify that this correspondence is being deposited this date with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to:

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	Application Number	10/551,326	
INFORMATION DISCLOSURE	Filing Date	March 30, 2006	
	First Named Inventor	Stan Gronthos	
STATEMENT BY APPLICANT	Art Unit		
(Use as many sheets as necessary)	Examiner Name		

Attorney Docket Number 2251/75191 Sheet of U. S. PATENT DOCUMENTS Cite No. Document Number Publication Date MM-DD-YYYY Pages, Columns, Lines, Where Applicant of Cited Document Relevant Passages or Relevant Figures Appear Number-Kind Code² of known 2007-0065938 03/22/07 US-US US-US-US-US-US US-US-US US-US-US-TIS US-US-US US-

FOREIGN PATENT DOCUMENTS								
	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	τ°		
		Country Code ³ Number ⁴ 'Kind Code ³ (if known)						
	1	WO 00/06701	2/10/2000	GENZYME CORP [US]		Т		
	2	WO 02/007679	1/31/2002	US HEALTH [US]				
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bstitute for	Form PTO-1449	Atty. Docket No.	Serial No. 10/551,3		
	U.S. Department of Commerce				
	Patent and Trademark Office	Applicants: Stan Gron	Applicants: Stan Gronthos et al.		
		Filing Date	Group		
	INFORMATION DISCLOSURE CITATION	3/30/06			
	(Use several sheets if necessary)				
	OTHER DOCUMENTS (Including Author, Title, Da				
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4	2003 (2003-01-04), pages 47-49.				
5	Jones Elena A et al: "Isolation and characterization of bone m	arrow multipotential mesens	chymal progenito		
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1 8	human bone marrow." Journal of Cell Science, vol. 116, no. 9	1 May 22003 (2003-05-01) nages 1827-19		
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